

1040ST^E[™] Personal System



 **ATARI[®]**
COMPUTER



ST^E Entertainment—Power Play

Choose the show-stopping ST^E if you want the most outlandish fun and excitement. With its rainbow of colors, stereo sound, and the ability to allow six players to simultaneously challenge one another, this machine wins hands down as the world's superstar gaming computer.

Its first-rate graphics and serious processing power, combined with brilliantly conceived game software, can take you on astonishing flights of fancy. Use the ST^E to play the best in arcade classics, sports games, strategy games... or use your programming skills to design your own adventures.

ST^E Picture Power—Graphics and Desktop Video

Artists, graphic designers, architects, and business people can utilize the ST^E's power for generating highly complex images, designs, and presentations.

The ST^E's graphics coprocessor (BLiTTer™ chip) handles graphic intensive CAD applications with speed and ease. The ST^E's 4096-color palette and crystal sharp, high-res display provide a personal video canvas to generate professional quality images full of hue and imagination. Paint a

stimulated for hours. A child's creative talents take wing, powered by the ST^E's state-of-the-art graphics and sound. The ST^E gives your child a terrific head start in a high tech world.

ST^E Home Productivity Power

The ST^E's lightning processing speed and wealth of financial budgeting and checkbook management software makes it the perfect partner for managing your home finances. There's also a comprehensive diary and address book utility that's a pleasure to use.

An optional modem allows you to tap into information from news sources worldwide. With your ST^E, you can shop and bank right from your living room!

ST^E Software—Power in Numbers

There are more than 4,000 software titles available for you to explore and use on your ST^E. Stack them, one on top of the other, and they still won't reach the top of your imagination. The software exploration is limitless.

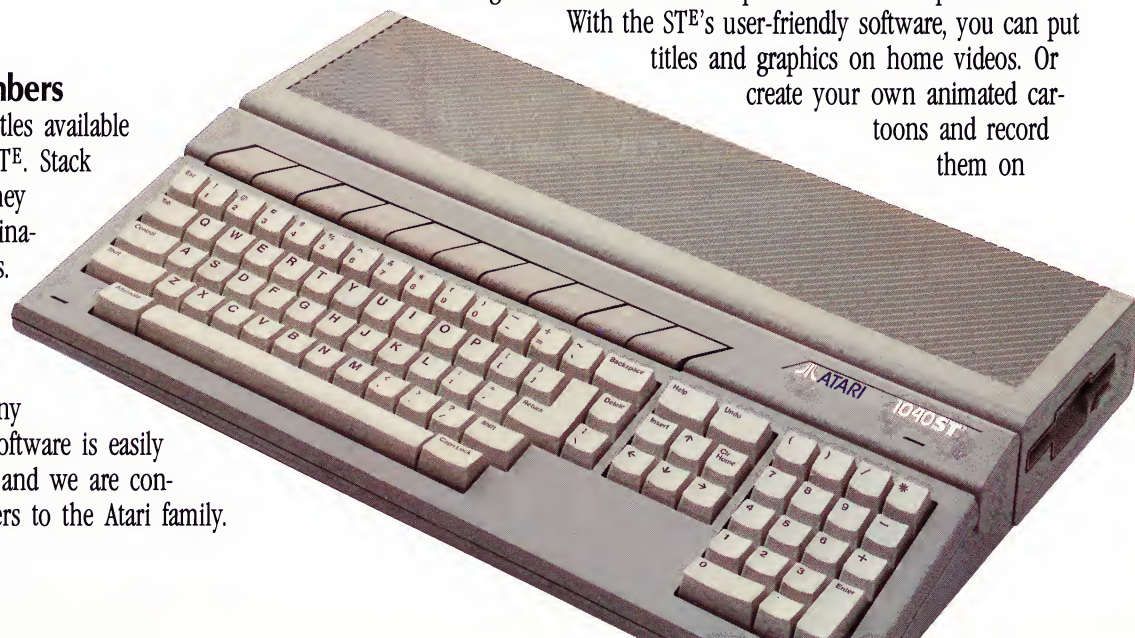
Key applications are WordPerfect, SuperBase Professional™, and LDW Power™. And don't forget Calamus®, Microsoft Write, and the many CAD and drawing programs. Existing software is easily acquired from the many Atari dealers, and we are continually adding more software developers to the Atari family.



picture and animate it. Create a corporate logo. Chart your company's quarter-to-quarter revenues. The ST^E is also an excellent tool for desktop video. With the ST^E, we think you'll get the picture!

Catch the multimedia computing wave with Atari. The ST^E can accept external video sources (GENLOCKING), making it a cost-effective editing tool for the home or professional video producer.

With the ST^E's user-friendly software, you can put titles and graphics on home videos. Or create your own animated cartoons and record them on



video tape. This is an exciting application that is just now opening up to the personal computer user, and the only limitation is your imagination. Just think, you could be one of the developing influences of a new TV show craze: America's Best Home Animations!

The Power and Magic of Music

Computer technology continues to be an invaluable tool in the creation and enjoyment of music. The Atari STE has the most extensive and varied range of music software available. Coupled with built-in MIDI and ease-of-use, the STE is the computer of choice for world-class musicians.

Digitally record and edit a musical session. Compose in concert with musical instruments, synthesizers, or even another MIDI-equipped computer.

Performers like Icehouse, Fleetwood Mac, The Pointer Sisters, The Beach Boys, Madonna, and Janet Jackson rely on the musical magic of Atari. And many other men and women who create today's music have realized that Atari's computer technology is a tool for sound as well as a sound tool.



Architecture

- CPU: Motorola™ 68000 running at 8 MHz.
- Bus: 16-bit external; 32-bit internal; 24-bit address.
- RAM: Internally expandable to 4 MB; standard 512 Kbyte (520STE™); 1024 Kbyte (1040STE™).
- ROM: 256 Kbyte; 128 Kbyte external plug-in ROM.
- Supports horizontal and vertical hardware scrolling.
- Accepts external GENLOCK.
- Graphics coprocessor chip (BLITTER).

Keyboard

- Standard QWERTY keyboard format.
- Low profile, sculptured ergonomic design.
- 94 keys; 10 function keys.
- Separate numeric and cursor keys.
- Keyboard processor to reduce CPU overhead.

Mouse

- Supplied as standard.
- 2-button control.
- High precision, non-slip ball motion sensor.
- Removable ball for easy cleaning.

Operating System

- TOS™ operating system entirely in ROM.



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Names of performers and musical groups are the property of their respective performers or group.
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Productivity Power— The STE Means Business

Today's business equation: versatility, flexibility, and performance equal maximum productivity. To work that equation, the Atari STE provides the fastest processing speed of any computer in its class, and its memory can be easily expanded to 4 MB to accommodate today's RAM-hungry applications.

To boost your productivity, the STE can use a high-resolution monochrome monitor for word or number processing, or a color monitor for design and presentation. The Atari STE is disk format compatible with MS-DOS® platforms, so you can work with files created on either type of machine.

The STE and its treasure trove of software help you deal with the challenges of doing business.

That's the STE!

The STE is a lot of computer. But the best part is the personal power offered by the STE. Features that are of immediate benefit to you, and that would cost you much more if you were to add them to other computers.

Sit down in front of an STE, switch it on, and experience personal power for yourself—the essence of the STE.

- Hierarchical file system with subdirectories and pathnames.
- Icon-based user interface, for self-explanatory command functions.
- Interface includes icons, multiwindowing, window resizing/repositioning/closing, and pull-down menus.
- VT52 terminal emulation desk accessory.

Input/Output Ports

- All ports built-in.
- MIDI ports.
- Audio out: 2 x RCA jacks for left and right channels.
- Connector for color or monochrome monitor.
- Modem/RS232C serial port.
- Parallel printer port (8-bit parallel).
- External floppy disk drive port.
- External DMA port for hard disk, CD-ROM, and laser printer.
- Mouse/joystick (standard Atari connector).
- Controller/joystick/light gun ports: 2 x 15 pin high-density D connectors.
- Cartridge port (128 Kbyte capacity).
- Built-in RF modulator for connection to TV and VCR.
- Direct Memory Access (DMA).

Graphics

- Includes graphics coprocessor.
- High resolution: 640 x 400 monochrome.
- Medium resolution: 640 x 200 4 colors.
- Low resolution: 320 x 200 16 colors.
- Color palette: 4096 colors.
- Text display: 80 column.
- Hardware horizontal and vertical scrolling on pixel basis.

Sound and Music

- 5 programmable sound channels.
- Frequency programmable to 25 kHz.
- Stereo 8-bit digital sound.
- DMA sound engine: built-in 2-channel digital/analog converter (DAC); play back digitized samples at rates between 6 kHz and 50 kHz on 2 channels; programmable volume/tone control.
- Programmable sound generator (PSG): 3 tone generators; 2 noise generators; dynamic envelope shaping; wave shaping.
- Includes Musical Instrument Digital Interface (MIDI) for connection to music synthesizers, sequencers, drum boxes, and other devices with MIDI interfaces.

Floppy Disk Drives

- 3.5-inch, double-sided, 720 Kbyte.
- MS-DOS format compatibility.

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